



METAL CLIP-IN

METAL Q-CLIP, METAL Q-CLIP F, METAL S-CLIP F, METAL T-CLIP F

Square and rectangular tiles available in a variety of perforations and edge details for installation using Knauf Armstrong U-Profile + DP12 A-Bar and C-Channel + Spring-T suspension systems.

Key features

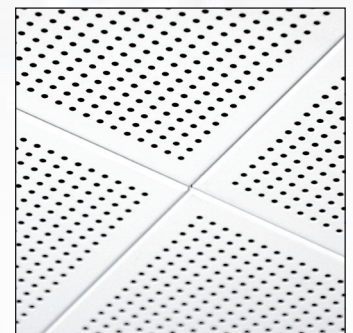
- Plain, monolithic surface, with no gap
- Downwardly demountable with demounting tool
- Can be installed in low ceiling void
- System height approximately 100 mm
- Easy to clean surface
- For easy access, Metal Q-Clip and Metal Q-Clip F products can be ordered with the 'window' swing down function
- All Clip-In products (except Metal S-Clip F) can be locked by a separate security clip
- Tiles available with square edge option
METAL Q-Clip: square edged
METAL Q-Clip F / METAL S-Clip: 3 mm bevel
METAL T-Clip F: 5 mm bevel

Application areas

Used in a variety of ceiling areas: from small service rooms to large commercial office buildings and major transportation terminals.

TRANSPORT

Zürich Train Station,
Passage Sihlquai Exit Europaallee (CH)
METAL Clip-In

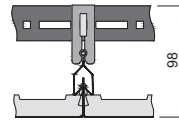


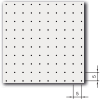
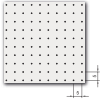
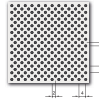
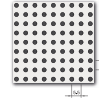
METAL CLIP-IN

METAL Q-CLIP

EDGE DETAIL

METAL Q-CLIP



MODULES (mm)	600 x 600 3809M 625 x 625 3809D	 4955M 4955D	 2094MF 2094DF	 3811MF 3811DF	 3810MF 3810DF
PERFORATIONS	Unperforated 	Ultra Microperforation Rg 0501 Ø: 0.5 mm Open area: 0.64 % 	Extra Microperforation Rg 0701 Ø: 0.7 mm Open area: 1.5 % 	Microperforation Rd 1522 Ø: 1.5 mm Open area: 22% with 20 mm Unperforated border 	Standard Perforation Rg 2516 Ø: 2.5 mm Open area: 16% with 20 mm Unperforated border 

ACOUSTIC INFILLS

---M / D = No infill

---MF / DF = Acoustic fleece

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

COLOURS



RAL 9010



Global White



RAL 9006

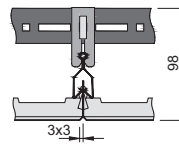


RAL 9007

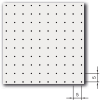
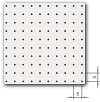
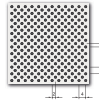
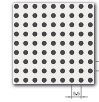
METAL Q-CLIP F

EDGE DETAIL

METAL Q-CLIP F



MODULES (mm)	500 x 500 2059M 600 x 600 2056M 600 x 300 2058M 625 x 625 2056D 625 x 312.5 2058D	 4956M 4957M 4958M 4957D 4958D	 2086MF 2083MF 2085MF 2083DF 2085DF	 2078MF 2076MF 2077MF 2076DF 2077DF	 2069MF 2067MF 2068MF 2067DF 2068DF
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PERFORATIONS	Unperforated 	Ultra Microperforation Rg 0501 Ø: 0.5 mm Open area: 0.64 % 	Extra Microperforation Rg 0701 Ø: 0.7 mm Open area: 1.5 % 	Microperforation Rd 1522 Ø: 1.5 mm Open area: 22% with 20 mm Unperforated border 	Standard Perforation Rg 2516 Ø: 2.5 mm Open area: 16% with 20 mm Unperforated border 
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ACOUSTIC INFILLS

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---MF / DF = Acoustic fleece

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

COLOURS



RAL 9010



Global White



RAL 9006

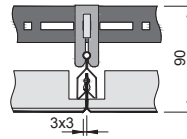


RAL 9007

METAL S-CLIP F

EDGE DETAIL

METAL S-CLIP F



MODULES (mm)	600 x 600	 2091M	 4959M	2770MF / MP / MPOP / 4959M	.. 2093M / MF / MP / MPOP	.. 2092M / MF / MP / MPOP
	625 x 625	 2091D	 4959D	 2770DF / 4959D	 2093DF	 2092D / DF
	625 x 312.5	 3801D	 4960D	 3804DF / 4960D	 3803DF	 3802D / DF
	300 x 900	 3706M		 3715MF / MP / MPOP	 3712M / MF / MP / MPOP	 3709M / MF / MP / MPOP
	300 x 1200	 3707M		 3716MF / MP / MPOP	 3713M / MF / MP / MPOP	 3710M / MF / MP / MPOP
	300 x 1500	 3708M		 3717MF / MP / MPOP	 3714M / MF / MP / MPOP	 3711M / MF / MP / MPOP

PERFORATIONS

Unperforated



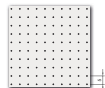
Ultra Microperforation Rg 0501

Ø: 0.5 mm
Open area:
0.64 %



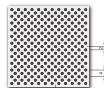
Extra Microperforation Rg 0701

Ø: 0.7 mm
Open area: 1.5 %



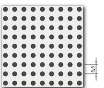
Microperforation Rd 1522

Ø: 1.5 mm
Open area: 22%
with 20 mm
Unperforated
border



Standard Perforation Rg 2516

Ø: 2.5 mm
Open area: 16%
with 20 mm
Unperforated
border



ACOUSTIC INFILLS

----M / D = No infill

----MF / DF = Acoustic fleece

----MP / DP = Premium B15

----MPOP / DPOP = Premium OP19

SUSPENSION SYSTEMS

U-Profile + DP12 A-Bar

COLOURS



RAL 9010



Global White



RAL 9006

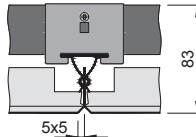


RAL 9007

METAL T-CLIP F

EDGE DETAIL

METAL T-CLIP F



MODULES (mm)	500 x 500	 9301M	 2746MF / MP / MPOP	 9428M / MF / MP / MPOP	 9309M / MF / MP / MPOP
	600 x 600	 9300M	 2744MF / MP / MPOP	 9337M / MF / MP / MPOP	 9308M / MF / MP / MPOP
	600 x 300	 4330M	 2747MF / MP / MPOP	 4332M / MF / MP / MPOP	 4311M / MF / MP / MPOP
	675 x 675	 2052M	 2745MF / MP / MPOP	 2054M / MF / MP / MPOP	 2053M / MF / MP / MPOP
	750 x 750	 2575M	 2756MF / MP / MPOP	 2577M / MF / MP / MPOP	 2576M / MF / MP / MPOP

Additional rectangular modules available

300 x 1200	 9304M
600 x 1200	 4314M
300 x 1500	 9305M

..... 2748MF / MP / MPOP
..... 2750MF / MP / MPOP
..... 2749MF / MP / MPOP

..... 9430M / MF / MP / MPOP
..... 4316M / MF / MP / MPOP
..... 9431M / MF / MP / MPOP

..... 9312M / MF / MP / MPOP
..... 4315M / MF / MP / MPOP
..... 9313M / MF / MP / MPOP

PERFORATIONS

Unperforated



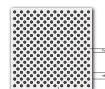
Extra Microperforation Rg 0701

Ø: 0.7 mm
Open area: 1.5 %



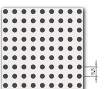
Microperforation Rd 1522

Ø: 1.5 mm
Open area: 22%
with 20 mm
Unperforated border



Standard Perforation Rg 2516

Ø: 2.5 mm
Open area: 16%
with 20 mm
Unperforated border



ACOUSTIC INFILLS

----M / D = No infill

----MF / DF = Acoustic fleece

----MP / DP = Premium B15

----MPOP / DPOP = Premium OP19

SUSPENSION SYSTEMS

C-Channel + Spring T

COLOURS



RAL 9010



Global White



RAL 9006



RAL 9007

METAL CLIP-IN

SUSTAINABILITY



≤ 30

A+

E1

ACOUSTICS



EN ISO 10848-2
& EN ISO 717-1



EN ISO 140-3
& EN ISO 717-1



EN ISO 354
& EN ISO 11654

	Hz α_p										
	D_{nfw}	R_w	α_w	Class	NRC	125	250	500	1000	2000	4000
Unperforated	44 dB	19 dB	0.10 (L)	NC	0.10	0.25	0.15	0.05	0.05	0.10	0.10
Ultra Microperforation Rg 0501	18 dB	8 dB	0.45 (L)	D	0.55	0.25	0.65	0.65	0.40	0.40	0.35
Extra Microperforation Rg 0701 + Fleece	21 dB	10 dB	0.55 (L)	D	0.65	0.45	0.70	0.70	0.55	0.55	0.45
Extra Microperforation Rg 0701 + B15	40 dB	20 dB	0.65	C	0.60	0.40	0.45	0.55	0.70	0.80	0.70
Extra Microperforation Rg 0701 + OP19	31 dB	15 dB	0.70	C	0.75	0.50	0.70	0.80	0.75	0.70	0.50
Microperforation Rd 1522	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Microperforation Rd 1522 + Fleece	16 dB	6 dB	0.70	C	0.70	0.30	0.65	0.90	0.65	0.70	0.75
Microperforation Rd 1522 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.40	0.50	0.65	0.75	0.90
Microperforation Rd 1522 + OP19	27 dB	12 dB	1.00	A	0.90	0.50	0.80	0.95	0.95	1.00	1.00
Standard Perforation Rg 2516	13 dB	5 dB	0.15	E	0.10	0.05	0.10	0.10	0.10	0.15	0.20
Standard Perforation Rg 2516 + Fleece	18 dB	8 dB	0.75 (L)	C	0.80	0.35	0.80	0.95	0.70	0.75	0.75
Standard Perforation Rg 2516 + B15	41 dB	18 dB	0.60 (H)	C	0.60	0.40	0.45	0.50	0.65	0.75	0.90
Standard Perforation Rg 2516 + OP19	28 dB	13 dB	0.95	A	0.90	0.50	0.80	0.95	0.90	1.00	0.95

FIRE REACTION



EEA White RAL 9010
 Unperforated / Perforated + no infill A1
 Perforated + Premium B15 A2-s1,d0
 Perforated + Acoustic Fleece A2-s2,d0
 Perforated + Premium OP19 A2-s2,d0
 EN 13501-1

RUS KM1 (G1, V1, D1, T1)
 FZ 123

For other colours / perforations, please contact us.

OTHER PERFORMANCES & FEATURES



95% RH



Unperforated: 85%
 Rg 0501: 83%
 Rg 0701: 80%
 Rg 2516: 70%
 Rd 1522: 65%



≈ 5.2 kg/m²



30 YEAR
 system
 guarantee



EN 12667
 & ISO 8301

$\lambda = 0.244$ W/m K (unperforated / perforated + no infill)
 $\lambda = 0.163$ W/m K (perforated + fleece)
 $\lambda = 0.0731$ W/m K (perforated + Premium B15)



METAL Q-Clip /
 METAL Q-Clip F
 unperforated
 = ISO 3



CUSTOM OPTIONS



Colours



Perforations



BioGuard



TrioGuard



Effects



Acoustic
 Infills



Security



Seismic



Swing-Down
 Function



Exterior
 Solutions

Not all custom options may be available on all products / systems / dimensions.
 For further information about custom metal, please contact us.